

Attorney Docket #10970913-3

Listing of Claims

This list of claims will replace all prior versions, and listings, of claims in the application:

17. (previously presented) A demodulator having a power approximation circuit coupled to receive a real and imaginary component of a complex signal, the power approximation circuit generating an approximate power value which indicates an actual power value for the complex signal by combining absolute values of the real and imaginary components and then applying an expectation function to the combined absolute values.

18. (original) The demodulator of claim 17, wherein the approximate power value is used to detect at least one signal-to-noise ratio threshold in the demodulator.

19. (original) The demodulator of claim 17, wherein the approximate power value is provided to an external processor which includes a lookup table that maps the approximate power value to an actual signal-to-noise ratio value.

20. (original) The demodulator of claim 17, further comprising a lookup table which maps the approximate power value to an actual signal-to-noise ratio value.

21. (original) The demodulator of claim 20, further comprising:
blind adaptive equalizer that generates a filter output signal in response to an information signal according to a transfer function which adapts in response to a selected error indication;

circuitry for providing the selected error indication by switching among a set of differing error indications in response to a determination of a relationship between the actual signal-to-noise ratio value and a threshold signal-to-noise ratio.